Claims

1. A device (22) for vibration-damping disposition of a unit (10), in particular a hydraulic unit of a brake system, on a mounting face, in particular a body of a motor vehicle, having a substantially bell-shaped housing (40), a damping body (44) of vibration-damping material disposed in the interior of the housing (40), a core (56) supported in the damping body (44), and fastening means (82) associated with the core (56) and the housing (40), characterized in that the damping body (44) is embodied as substantially cup-shaped and has a contour that is offset at least once in both the outer diameter and the inner diameter, and the substantially closed end of the damping body (44) rests on the closed end of the housing (40);

that the core (56) is adapted to the contour of the damping body (44) and is likewise offset at least once in the outer diameter, and the end having the larger outer diameter of the core (56) is oriented toward the closed end of the housing (40);

and that the housing (40) is provided on its open end with a closure (60), on which a shoulder (54) resulting from the offset contour of the damping body (44) rests.

2. The device of claim 1, characterized in that the closure (60) is formed by a crimping of the housing (40).

3. The device of claim 1, characterized in that the closure (60) includes an annular disk (62) secured in the region of the open end of the housing (40).

4. The device of one of claims 1 through 3, characterized in that the first fastening means (82), provided for anchoring the damping device (22) to the unit (10), is a pin (70), which can be press-fitted into an associated bore of the unit (10) and which is associated with the bell-shaped housing (40) of the damping device (22).

5. The device of one of claims 1 through 4, characterized in that the second fastening means (82) of the device (22), provided for anchoring the unit (10) to the mounting face, is a hoop spring (84), bent into an open loop, with two spring ends (86, 87) that can be prestressed against one another, one of the spring ends (86) being anchored to the device (22) and the second spring end (87) being movable relative to this first spring end (86).

6. The device of claim 5, characterized in that the second spring end (87) has an inward-protruding fixation lug (88); and that a spreader body (92) which in its basic position spreads the spring ends (86, 87) is displaceably disposed between the two spring ends (86, 87).

7. The device of claim 6, characterized in that the spreader body (92) and the spring ends (86, 87) of the hoop spring (84) are provided with continuous recesses (96), through which a pin (34) projecting axially from the housing (40) protrudes.

8. The device of one of claims 1 through 7, characterized in that the damping body (44) of the damping device (22) is slit along its longitudinal axis.

9. The device of one of claims 1 through 8, characterized in that the housing (40) and/or the core (56) and/or the damping body (44) are provided with a surface structure (72), such as knurling, on their faces oriented toward one another.

10. A unit, in particular a hydraulic unit of an anti-lock brake system, having a housing block (12), and having devices (22) of one of claims 1 through 9 fixed to this housing block (12), characterized in that the devices (22) are fixed on a common outside of this unit (10).

11. The unit of claim 10, characterized in that the unit (10) is anchored to a mounting face indirectly via a bracket (24), the bracket (24), as an angle bracket, being equipped with a base

plate (26) and with mounts (28), projecting substantially perpendicularly toward the base plate (26), for securing the devices (22).

12. The unit of claim 11, characterized in that in addition, at least one vibration-damping bracing element (36) is disposed on the base plate (26), axially spaced apart from the devices (22), and the unit (10) rests on this bracing element; that the bracing element (36) has the form of a ring, which is retained in a continuous recess in the base plate (26) by means of an encompassing groove open on the outside; and that the unit (10), on its side toward the base plate (26), has a mandrel (38), which at least partly penetrates this ring.

13. The unit of claim 11 or 12, characterized in that the mounting face is formed by an armature plate (98) equipped with stay bolts (100); that the bracket (24) has detent elements (108), associated with the stay bolts (100) of the armature plate (98), and these detent elements (108) include vibration-damping damping rings (110) that are insertable into bores in the bracket (24) and also include retaining bushes (116) retained in the damping rings (110) by positive engagement; and that the stay bolts (100) and the retaining bushes (116) can be interlocked with one another.